A2575-1
8/26/83

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 **For Week Ended** *AUGUST* 19, 1983 **NO.** 33

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 08/19/83	Last Week Ending: 08/12/83	Last Year Week Ending: 08/20/82	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	12,751	12,397	11,966	+ 354	+ 785
Operable capacity	16,294	16,294	17,382	0	- 1,088
Percent operated	78.3	76.1	68.8		
Motor Gasoline					
Total motor gasoline production	6,727	6,628	6,198	+ 99	+ 529
Finished leaded motor gasoline production	3,114	2,928	*N/A*	+ 186	*N/A*
Finished unleaded motor gasoline production	3,613	3,700	*N/A*	- 87	*N/A*
Total motor gasoline stocks	225,150	227,213	226,041	- 2,063	- 891
Finished leaded motor gasoline stocks	97,095	97,317	*N/A*	- 222	*N/A*
Finished unleaded motor gasoline stocks	88,838	90,070	92,247	- 1,232	- 3,409
Distillate Fuel Oil					
Distillate fuel oil production	2,642	2,591	2,405	+ 51	+ 237
Distillate fuel oil stocks	137,343	135,291	155,369	+ 2,052	- 18,026
Residual Fuel Oil					
Residual fuel oil production	700	723	1,026	- 23	- 326
Residual fuel oil stocks	45,989	47,336	51,974	- 1,347	- 5,985
Imports					
Crude oil imports	4,482	3,600	3,274	+ 882	+ 1,208
Product imports	2,009	1,734	1,311	+ 275	+ 698
Crude Oil Stocks					
Crude oil stocks	344,901	341,387	357,080	+ 3,514	- 12,179

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 457-7147.

NA-Not Available

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 **For Week Ended** *AUGUST* 19, 1983 **NO. 33**

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,236	1,118	1,154	1,229	93.9
Appal. No. 1	77	78	78	177	44.1
DISTRICT 1 TOTAL	1,313	1,196	1,232	1,406	87.6
Appal. No. 2	65	62	65	66	98.5
Ind., Ill., Ky.	2,064	1,949	1,991	2,345	84.9
Minn., Wis., Daks.	295	286	294	296	99.3
Okla., Kans., Mo.	752	714	739	827	89.4
DISTRICT 2 TOTAL	3,176	3,011	3,089	3,534	87.4
Inland Texas	534	503	524	585	89.6
Texas Gulf Coast	3,246	3,015	3,108	3,907	79.5
La. Gulf Coast	2,085	1,894	1,919	2,875	66.7
N. La. and Ark.	192	170	178	286	62.2
New Mexico	98	80	80	105	76.2
DISTRICT 3 TOTAL	6,155	5,662	5,809	7,758	74.9
DISTRICT 4 TOTAL	418	449	454	536	84.7
DISTRICT 5 TOTAL	2,278	2,138	2,167	3,060	70.8
TOTAL U.S.	13,340	12,456	12,751	16,294	78.3
TOTAL U.S. **Weeks Ended:**					
AUG. 12, 1983	12,922	12,112	12,397	16,294	76.1
AUG. 20, 1982	12,815	11,640	11,966	17,382	68.8
DISTRICTS 1–4 **Weeks Ended:**					
AUG. 19, 1983	11,062	10,318	10,584	13,234	80.0
AUG. 12, 1983	10,766	9,984	10,243	13,234	77.4
AUG. 20, 1982	10,632	9,642	9,944	14,290	69.6

API WEEKLY STATISTICAL BULLETIN
Week Ended *AUGUST* 19, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	573	231	342	19	37	286	92
Appal. No. 1	28	15	13	2	--	21	3
DISTRICT 1 TOTAL	601	246	355	21	37	307	95
Appal. No. 2	39	20	19	1	1	13	3
Ind., Ill., Ky.	1,208	538	670	13	127	326	41
Minn., Wis., Daks.	162	104	58	2	12	67	8
Okla., Kans., Mo.	451	288	163	5	11	190	4
DISTRICT 2 TOTAL	1,860	950	910	21	151	596	56
Inland Texas	296	150	146	24	31	125	18
Texas Gulf Coast	1,510	744	766	35	180	705	223
La. Gulf Coast	1,115	423	692	7	191	368	64
N. La. and Ark.	57	26	31	7	--	49	8
New Mexico	41	19	22	19	1	24	1
DISTRICT 3 TOTAL	3,019	1,362	1,657	92	403	1,271	314
DISTRICT 4 TOTAL	234	139	95	9	21	122	7
DISTRICT 5 TOTAL	1,013	417	596	41	225	346	228
TOTAL U.S.	6,727	3,114	3,613	184	837	2,642	700
TOTAL U.S. Weeks Ended:							
AUG. 12, 1983	6,628	2,928	3,700	203	821	2,591	723
AUG. 20, 1982	6,188	*N/A*	*N/A*	207	766	2,405	1,026
DISTRICTS 1-4 Weeks Ended:							
AUG. 19, 1983	5,714	2,697	3,017	143	612	2,296	472
AUG. 12, 1983	5,636	2,498	3,138	161	598	2,246	468
AUG. 20, 1982	5,273	*N/A*	*N/A*	156	585	2,062	668

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *AUGUST* 19, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Motor Gasoline: Blending Components	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,139	2,766	2,372	1	100	864	10,451	1,413	--
Central Atlantic	28,866●	12,819●	11,650	4,397	473	4,512	31,361●	16,621	13,004
Lower Atlantic	28,450	14,596	13,456	398	149	2,955	14,405	3,317	554
DISTRICT 1 TOTAL	62,455●	30,181●	27,478	4,796	722	8,331	56,217●	21,351	13,558
DISTRICT 2 TOTAL	63,221	31,014	25,610	6,597	1,647	7,999	33,154	3,480	17,635●
DISTRICT 3 TOTAL	62,815	23,256	22,862	16,697	3,111	10,206●	33,413●	13,079	49,403
DISTRICT 4 TOTAL	5,874	2,759	1,634	1,481	357	699	3,146	551	2,469
DISTRICT 5 TOTAL	30,785	9,885	11,254	9,646	1,630	5,722	11,413	7,528	24,868
TOTAL U.S.	225,150	97,095	88,838	39,217	7,467	32,957	137,343	45,989	107,933
TOTAL U.S. Weeks Ended:									
AUG. 12, 1983	227,213●	97,317●	90,070	39,826	7,115	33,015●	135,291●	47,336	107,775●
AUG. 20, 1982	226,041	*N/A*	92,247	*N/A*	5,779	34,228	155,369	51,974	117,713
DISTRICTS 1-4 Weeks Ended:									
AUG. 19, 1983	194,365	87,210	77,584	29,571	5,837	27,235	125,930	38,461	83,065
AUG. 12, 1983	196,121●	87,130●	78,312	30,679	5,655	26,902●	123,974●	39,593	82,788●
AUG. 20, 1982	198,174	*N/A*	81,927	*N/A*	4,426	28,443	144,875	43,858	93,497

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

NA-Not Available

● *SEE REVISIONS ON PAGE 7*

WEEKLY STATISTICAL BULLETIN
Week Ended *AUGUST* 19, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Latest Dept. of Energy *MAR* 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	Daily Average				
DISTRICTS 1-4 TOTAL					
AUG. 19, 1983	5,882.5	5,845.0	4,209	283	258,289
AUG. 12, 1983	5,882.5	--	3,196	213	258,354
AUG. 5, 1983	5,876.0	--	2,997	400	260,744
JUL. 29, 1983	5,876.0	--	3,811	278	261,234
DISTRICT 5 TOTAL					
AUG. 19, 1983	2,809.0	2,820.0	273	41	86,612 *
AUG. 12, 1983	2,809.0	--	404	25	83,033
AUG. 5, 1983	2,819.0	--	217	12	83,232
JUL. 29, 1983	2,819.0	--	339	7	86,684
TOTAL U.S.					
AUG. 19, 1983	8,691.5	8,665.0	4,482	324	344,901 *
AUG. 12, 1983	8,691.5	--	3,600	238	341,387
AUG. 5, 1983	8,695.0	--	3,214	412	343,976
JUL. 29, 1983	8,695.0	--	4,150	285	347,918
AUG. 20, 1982	8,620.3 /A	--	3,274	185	357,080

*INCLUDES 28,504 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A DOE ACTUAL FOR AUGUST 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
AUG. 19, 1983	16,910	75,536	152,913	12,930	258,289	86,612 *	344,901 *
AUG. 12, 1983	14,847	75,190	155,243●	13,074●	258,354	83,033	341,387
AUG. 20, 1982	21,335	73,293	156,915	13,295	264,838	92,242	357,080

[1]See definitional notes, Page 6.

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *AUGUST* 19, 1983

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	61	--	61	--	--	--	45	2	--	--	108
Central Atlantic	219	69	150	--	7	243	588	18	31	196	1,302
Lower Atlantic	--	--	--	--	--	--	138	--	--	--	138
DISTRICT 1 TOTAL											
AUG. 19, 1983	280	69	211	--	7	243	771	20	31	196	1,548
AUG. 12, 1983	209	108	101	--	16	194	599	13	169	99	1,299
AUG. 5, 1983	119	59	60	--	5	376	672	11	119	156	1,458
JUL. 29, 1983	234	105	129	--	20	220	674	11	12	78	1,249
DISTRICTS 2-4 TOTAL											
AUG. 19, 1983	2	2	--	--	--	6	20	149	170	1	348
AUG. 12, 1983	2	1	1	--	--	11	20	143	89	22	287
AUG. 5, 1983	--	--	--	--	--	4	24	157	234	5	424
JUL. 29, 1983	--	--	--	--	4	4	19	159	102	12	300
DISTRICT 5 TOTAL											
AUG. 19, 1983	56	49	7	--	--	4	19	20	3	11	113
AUG. 12, 1983	27	18	9	--	--	6	47	56	2	10	148
AUG. 5, 1983	30	23	7	--	10	7	19	16	3	5	90
JUL. 29, 1983	44	37	7	--	1	5	16	16	3	5	90
TOTAL U.S.	338	120	218	--	7	253	810	189	204	208	2,009
TOTAL U.S. Weeks Ended:											
AUG. 12, 1983	238	127	111	--	16	211	666	212	260	131	1,734
AUG. 5, 1983	149	82	67	--	15	387	715	184	356	166	1,972
JUL. 29, 1983	278	142	136	--	25	229	709	186	117	95	1,639
AUG. 20, 1982	302	*N/A*	110	10	31	116	535	166	128	19	1,311

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

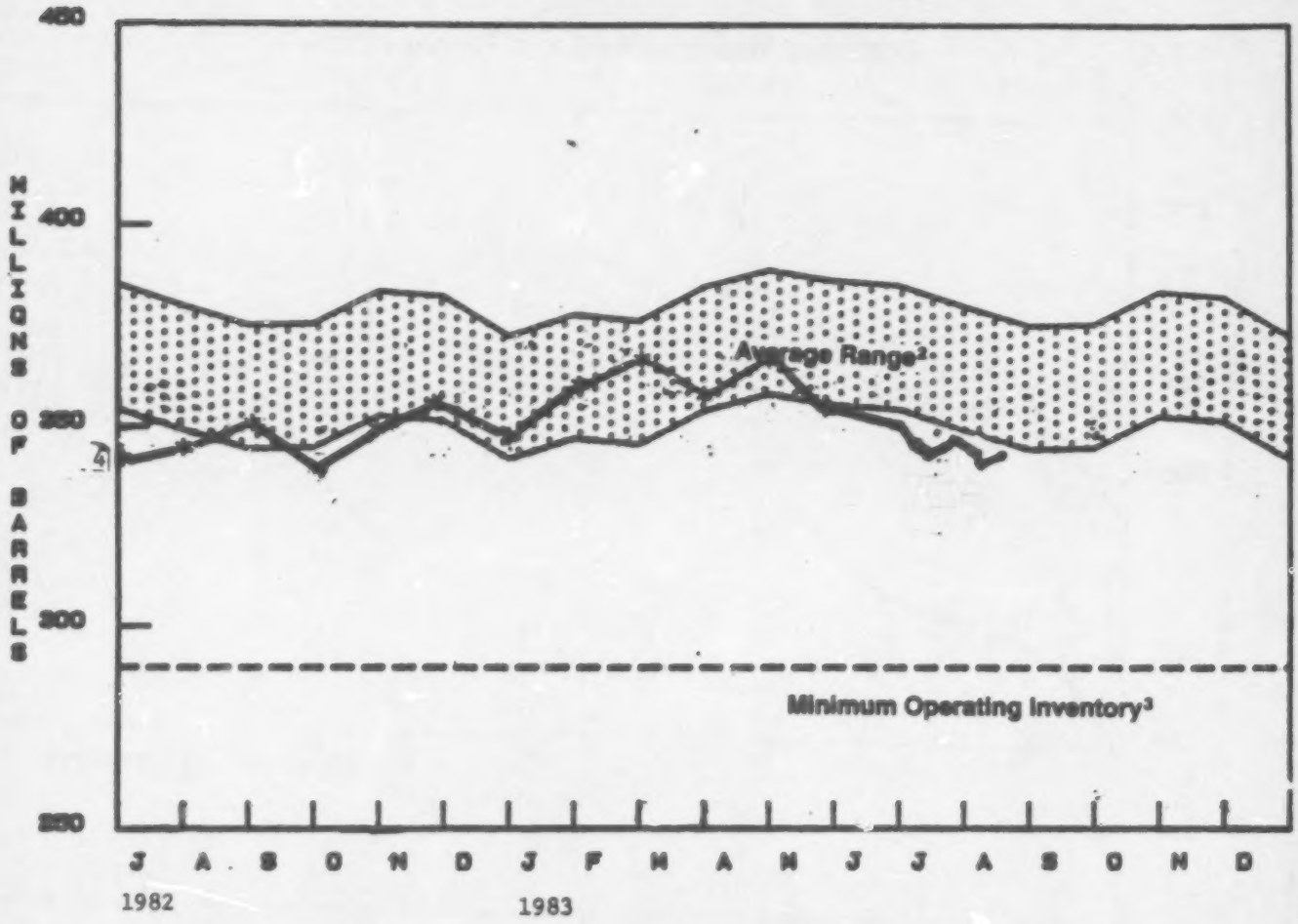
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

8/12/83	PAGE 3	TOTAL MGAS	CENTRAL ATLANTIC	29,243
			DISTRICT 1 TOTAL	63,960
			TOTAL U.S.	227,213
			DISTRICTS 1-4	196,121
		LEADED MGAS	CENTRAL ATLANTIC	12,753
			DISTRICT 1 TOTAL	30,602
			TOTAL U.S.	97,317
			DISTRICTS 1-4	87,130
		KEROSINE JET	DISTRICT 3 TOTAL	9,822
			TOTAL U.S.	33,015
			DISTRICTS 1-4	26,902
		DISTILLATE FUEL	CENTRAL ATLANTIC	29,756
			DISTRICT 1 TOTAL	53,985
			DISTRICT 3 TOTAL	33,438
			TOTAL U.S.	135,291
			DISTRICTS 1-4	123,974
		UNFINISHED OILS	DISTRICT 2 TOTAL	17,729
			TOTAL U.S.	107,775
			DISTRICTS 1-4	82,788
	PAGE 4 BOTTOM	TOTAL	PAD DISTRICT 3	155,243
		TOTAL	PAD DISTRICT 4	13,074

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

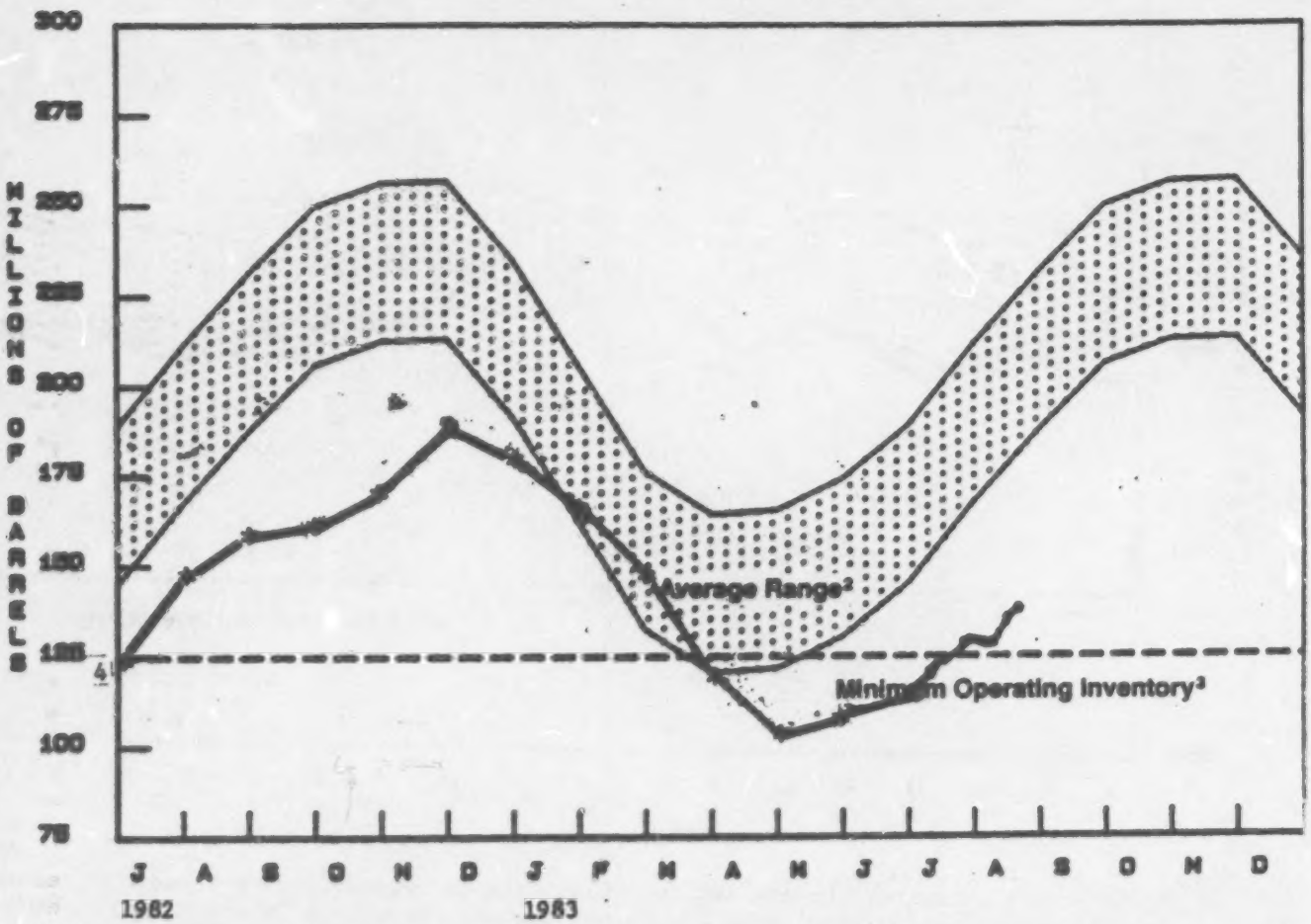
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended August 19, 1983

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

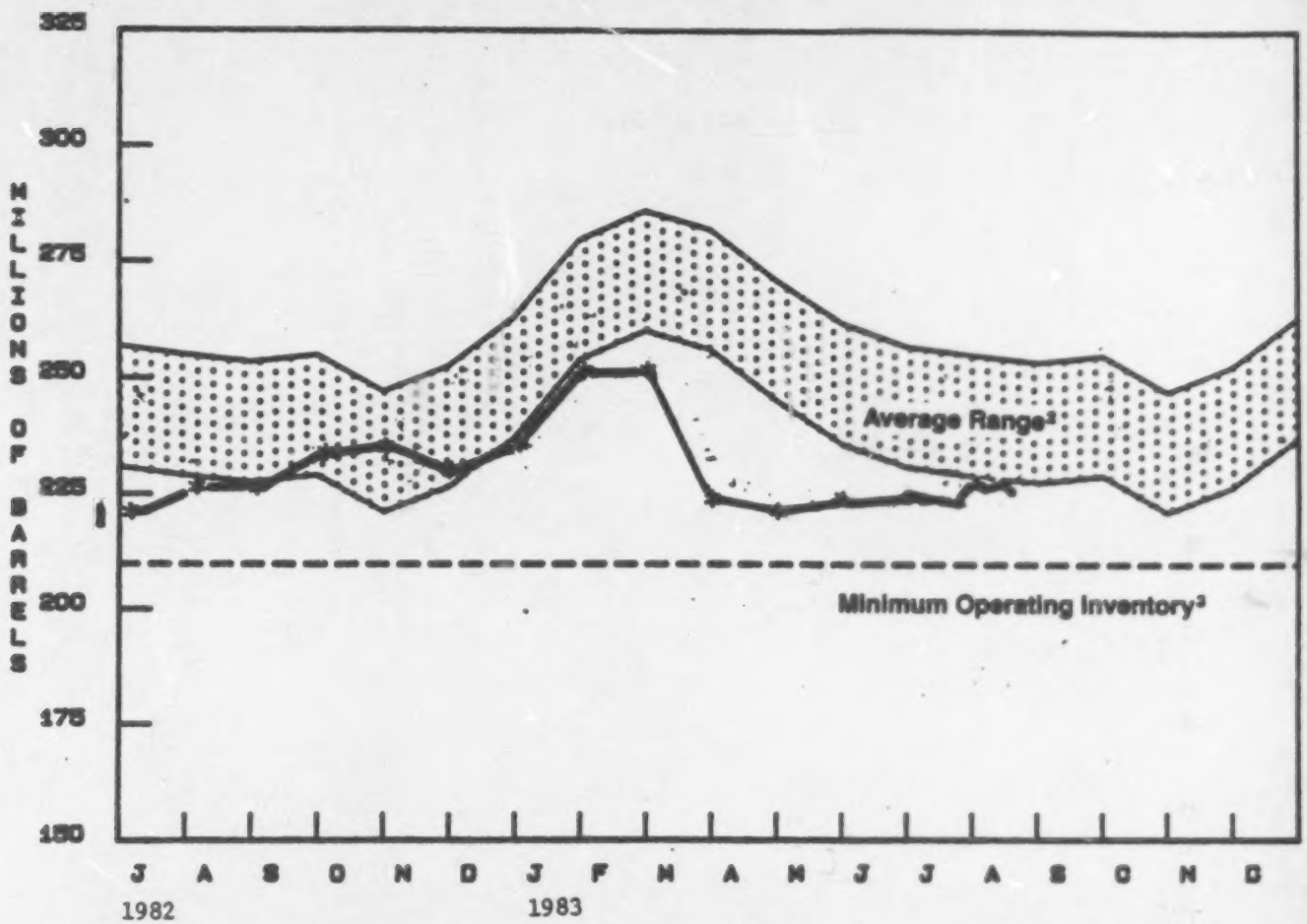
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.